CITY OF BASALT (PWS 6060004)
SOURCE WATER ASSESSMENT FINAL REPORT

February 19, 2002

State of Idaho
Department of Environmental Quality

Executive Summary

Under the Safe Drinking Water Act Amendments of 1996, all states are required by the U.S. Environmental Protection Agency to assess every source of public drinking water for its relative sensitivity to contaminants regulated by the act. This assessment is based on a land use inventory of the designated assessment area and sensitivity factors associated with the wells and aquifer characteristics.

This report, *Source Water Assessment for the City of Basalt, Idaho* describes the public drinking water system, the boundaries of the zones of water contribution, and the associated potential contaminant sources located within these boundaries. This assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. **The results should <u>not be</u> used as an absolute measure of risk and they should <u>not be</u> used to undermine public confidence in the public water system (PWS).**

The City of Basalt (PWS # 6060004) drinking water system currently consists of three well sources, Well #1, Well #2 and Well #3. This assessment will focus on Well #2. Well #1 will be permanently disconnected from the system later this month, therefore, a susceptibility analysis and ranking will not be performed for the well. Well #3 has not been delineated and will be appended to this document at a later date.

The potential contaminant sources within the delineation capture zones include hand dug wells, underground and above ground fuel storage tank facilities, historical businesses such as old gas stations, auto repair and sales facilities, food processing facilities, and several manufacturing facilities. Also found were sites regulated under the Resource Conservation Recovery Act (RCRA) and the Superfund Amendments and Reauthorization Act (SARA). Other sources identified that may contribute to the overall vulnerability of the water source were small businesses within the delineated areas which may use and store chemicals and organic materials that may be considered potential contaminants sources. A complete list of potential contaminant sources is provided with this assessment.

The capture zone for Well #2 intersects a priority area for the synthetic organic chemical atrazine. These are any areas where greater than 25 % of the wells show levels greater than 1% of the primary standard or other health standards (Maximum Contaminant Level for atrazine is 3 micrograms/liter). atrazine is a widely used herbicide for control of broadleaf and grassy weeds.

For the assessment, a review of laboratory test was conducted using the Idaho Drinking Water Information Management System (DWIMS) and the State Drinking Water Information System (SDWIS). Total coliform bacteria were detected at various sample locations in the distribution system. However, since a disinfection unit was added last year, total coliform bacteria have not been detected in the distribution system. The inorganic chemicals barium, fluoride, nitrate have been detected in the drinking water, but at levels below the Maximum Contaminant Level for each chemical. No volatile organic chemicals or synthetic organic chemicals have been detected in the drinking water.

The susceptibility ratings for the City of Basalt drinking water system were based upon available information relating to soil drainage characteristics, agricultural land use, system construction, and potential contaminant sources identified within each well's zones of contribution. The final susceptibility ranking for Well #2 is high for inorganic, volatile organic, synthetic organic and microbial contaminants. Well #3 has not been delineated, therefore a final susceptibility will later be appended to this report.

For the City of Basalt, drinking water protection activities should continue efforts aimed at keeping the distribution system free of microbial contaminants. Disinfection practices should be maintained to prevent microbial contamination from becoming a concern. Also, any new sources that could be considered potential contaminant sources in the well's zones of contribution should also be investigated and monitored to prevent future contamination. Land uses within most of the source water assessment area are outside the direct jurisdiction of the City of Basalt. Therefore partnerships with state and local agencies, industrial and commercial groups should be established to ensure future land uses are protective of ground water quality. Educating employees and the public about source water will further assist the system in its monitoring and protection efforts.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan as the delineations encompass much urban and commercial land uses. Public education topics could include proper lawn and garden care practices, household hazardous waste disposal methods, proper care and maintenance of septic systems, and the importance of water conservation to name but a few. There are multiple resources available to help communities implement protection programs, including the Drinking Water Academy of the U.S. Environmental Protection Agency. Drinking water protection activities for agriculture should be coordinated with the Idaho State Department of Agriculture and the Bingham County Soil and Water Conservation District. Any major transportation corridors that intersect the delineation (such as Highway 91), the Idaho Department of Transportation should be involved in protection efforts. If the system should need to expand in the future, new well sites should be located in areas with as few potential sources of contamination as possible, and the site should be reserved and protected for this specific use.

A system must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (i.e. zoning, permitting) or non-regulatory in nature (i.e. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Pocatello Regional Office of the Idaho Department of Environmental Quality or the Idaho Rural Water Association.

SOURCE WATER ASSESSMENT FOR CITY OF BASALT, IDAHO

Section 1. Introduction - Basis for Assessment

The following sections contain information necessary to understand how and why this assessment was conducted. **It is important to review this information to understand what the ranking of this source means.** A map showing the delineated source water assessment area and the inventory of significant potential sources of contamination identified within that area are contained in this report. The list of significant potential contaminant source categories and their rankings used to develop this assessment is also attached.

Level of Accuracy and Purpose of the Assessment

The Idaho Department of Environmental Quality (DEQ) is required by the U.S. Environmental Protection Agency (EPA) to assess over 2,900 public drinking water sources in Idaho for their relative susceptibility to contaminants regulated by the Safe Drinking Water Act. This assessment is based on a land use inventory of the delineated assessment area, sensitivity factors associated with the wells, and aquifer characteristics. All assessments must be completed by May of 2003. The resources and time available to accomplish assessments are limited. Therefore, an in-depth, site-specific investigation to identify each significant potential source of contamination for every public water system is not possible. **This assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the water system.**

The ultimate goal of the assessment is to provide data to local communities to develop a protection strategy for their drinking water supply system. DEQ recognizes that pollution prevention activities generally require less time and money to implement than treatment of a public water supply system once it has been contaminated. DEQ encourages communities to balance resource protection with economic growth and development. The decision as to the amount and types of information necessary to develop a drinking water protection program should be determined by the local community based on its own needs and limitations. Wellhead or drinking water protection is one facet of a comprehensive growth plan, and it can complement ongoing local planning efforts.

Section 2. Conducting the Assessment

General Description of the Source Water Quality

The City of Basalt is a community public drinking water system located in northern Bingham County and approximately one-mile northeast of the City of Firth (Figure 1). This system currently consists of three well sources that provide drinking water to approximately 500 persons. At this time, there appears to be no primary water quality issues associated with the system.

The inorganic chemicals (IOCs) barium, fluoride, nitrate represent the main water chemistry constituents recorded in the public water system, although the reported concentrations of these chemicals were below the Maximum Contaminant Level (MCL) for each chemical, as set by EPA. Total coliform bacteria were detected at various locations in the distribution system, but no confirmation tests have shown bacterial contamination at the wellhead. Water chemistry tests have not detected volatile organic contaminants (VOCs) or synthetic organic contaminants (SOCs) in the drinking water.

Defining the Zones of Contribution--Delineation

The delineation process establishes the physical area around a well that will become the focal point of the assessment. The process includes mapping the boundaries of the zone of contribution into time-of-travel zones (zones indicating the number of years necessary for a particle of water to reach a pumping well) for water in the aquifer. Washington Group International (WGI) was contracted by DEQ to define the public water system's zones of contribution. WGI used a refined computer model approved by the EPA in determining the 3-year (Zone 1B), 6-year (Zone 2), and 10-year (Zone 3) Time-of-Travel (TOT) for water associated with the East Margin Area of the Eastern Snake River Plain (ESRP) hydrologic province in the vicinity of the City of Basalt. The computer model used site specific data, assimilated by WGI from a variety of sources including nearby well logs, operator records, and hydrogeologic reports. A summary of the hydrogeologic information from the WGI is provided below.

The East Margin Area is approximately 821 square miles and is eight percent (8%) of the entire ESRP hydrologic province. The East Margin Area falls along the boundaries of several counties including Bingham, Bannock, Bonneville, and Power. The Regional Eastern Snake River Plain (ESRP) aquifer is the most prominent in the East Margin Area and consists primarily of basalt. However, there are other water bearing rocks within the East Margin that are significant including bedded rhyolite (volcanic rock), gravels, and river deposits. The East Margin Area is divided into four aquifers: the Regional ESRP Aquifer, the Alluvial Aquifer for the Eastern Michaud Flats Area, the Alluvial Aquifer near the cities of Firth and Basalt, and the Quartzite Aquifer near the City of Blackfoot (WGI, p. 6).

The Regional ESRP aquifer is located in southeastern Idaho. It trends in a northeast direction and is approximately 10,000 square miles. The aquifer is composed primarily of highly fractured and layered basalt flows with interbeds of sedimentary rocks near the margins. The layered basalt found in this area is considered one of the most productive aquifers in the Unites States. The aquifer is considered unconfined, but may be locally confined due into interbedded sediments or dense unfractured basalt. The basalt is thickest near the center of the ESRP (100-5,000 feet) and thins as it approaches the margins of the plain. There is also a thin layer (<100 feet) of windblown material and river sediments above the layered basalt. To the northeast, the plain is mostly rhyolite in composition, with volcanics (associated with the Idavada Volcanics) to the southwest. To the northwest, granite associated with the Idaho batholith is found including sedimentary and metamorphic rocks (WGI, p. 6).

The main tributary in the East Margin area, the Snake River, is found along the southern boundary of the plain and is the only river that leaves the ESRP. Other rivers and tributaries that enter the plain converge with the Snake River with the exception of the Big and Little Wood Rivers. The ground water flow direction on a regional scale is southwest (parallel to the basin) (WGI, p. 7).

In terms of overall recharge, the aquifer intakes water predominately though surface water irrigation. Other recharge mechanisms are through stream/canal loss and direct precipitation. Estimates of recharge for the East Margin Area are less than 10 (near Blackfoot) to more than 20 inches (near American Falls Reservoir) per year (WGI, p. 7).

Data from wells within the East Margin Area-Alluvial Aquifer for Firth/Basalt shows sediments over a 100-feet thick overly the fractured basalt. There is no additional information available regarding ground water flow direction or ground water properties (WGI, p. 8).

The delineated source water assessment area for the City of Basalt Well #2 trends in a northeast direction and is elongated and conical in shape. The capture zones for the wells within the Alluvial Aquifer (Firth/Basalt) do not terminate at hydrologic boundaries (WGI, p. 18). The delineation is bound by the Snake River on the east side. The delineation for Well #2 is approximately 15 miles in length with the narrowest area near the wellhead approximately 0.5 miles wide. The widest area of the delineation beyond the City of Idaho Falls is approximately 4 miles. As per the Source Water Assessment Plan, when a delineation encounters a losing reach of a river, as in this case, the remainder of the delineation encompasses the area that contributes water to the river. As such, the 6- and 10-year TOTs are considered to be part of the watershed that contributes water to the Snake River. The actual data used by WGI in determining the source water assessment delineation areas are available from DEQ upon request.

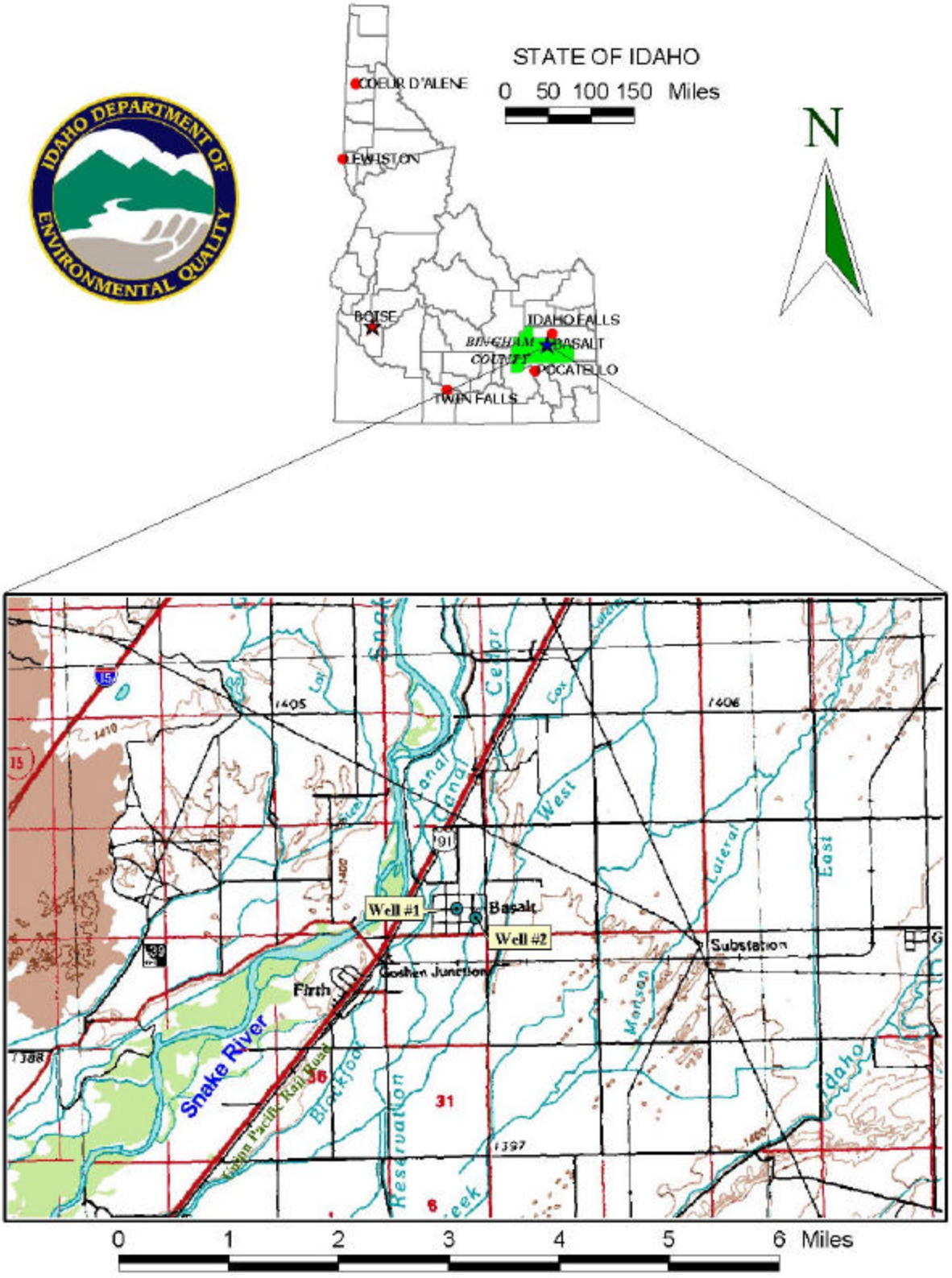
Identifying Potential Sources of Contamination

A potential source of contamination is defined as any facility or activity that stores, uses, or produces, as a product or by-product, the contaminants regulated under the Safe Drinking Water Act. Furthermore, these sources have a sufficient likelihood of releasing such contaminants into the environment at levels that could pose a concern relative to drinking water sources. The goal of the inventory process is to locate and describe those facilities, land uses, and environmental conditions that are potential sources of ground water contamination. Field surveys conducted by DEQ and reviews of available databases identified potential contaminant sources within the delineation areas. Some of these sources include hand dug wells, aboveground and underground fuel storage tanks, land application sites, and dairies.

The predominant land use near the City of Basalt is irrigated agricultural land with irrigation canals. There is also urban land use taking into consideration the major transportation corridor (Highway 91) within the zone of contribution for Well #2.

It is important to understand that a release may never occur from a potential source of contamination provided best management practices are used at the facility. Many potential sources of contamination are regulated at the federal level, state level, or both to reduce the risk of release. Therefore, when a business, facility, or property is identified as a potential contaminant source, this should not be interpreted to mean that this business, facility, or property is in violation of any local, state, or federal environmental law or regulation. What it does mean is that the potential for contamination exists due to the nature of the business, industry, or operation. There are a number of methods that water systems can use to work cooperatively with potential sources of contamination, such as educational visits and inspections of stored materials. Many owners of such facilities may not even be aware that they are located near a public water supply well.

FIGURE 1 - Geographic Location of the City of Basalt, PWS 6060004, Well #1 & Well #2



Contaminant Source Inventory Process

A two-phased contaminant inventory of the study area was conducted during the winter of 2001. The first phase involved identifying and documenting potential contaminant sources within the City of Basalt Source Water Assessment Area through the use of computer databases and Geographic Information System (GIS) maps developed by DEQ. The second, or enhanced, phase of the contaminant inventory involved contacting the operator to validate the sources identified in phase one and to add any additional potential sources in the area. This task was undertaken with the assistance of Mr. Dennis Bonzon and Mr. Marvin Trent. At the time of the enhanced inventory, additional potential contaminant sources were found within the delineated source water area. Maps with well locations, delineated areas and potential contaminant sources are provided with this report (Figure 2). Each potential contaminant source has been given a unique site number that references tabular information associated with the public water well (Table 1).

Section 3. Susceptibility Analyses

The susceptibility of the well to contamination was ranked as high, moderate, or low risk according to the following considerations: hydrologic characteristics, physical integrity of the well, land use characteristics, and potentially significant contaminant sources. The susceptibility rankings are specific to a particular potential contaminant or category of contaminants. Therefore, a high susceptibility rating relative to one potential contaminant does not mean that the water system is at the same risk for all other potential contaminants. The relative ranking that is derived for the well is a qualitative, screening-level step that, in many cases, uses generalized assumptions and best professional judgement. Appendix B contains the susceptibility analysis worksheet. The following summaries describe the rationale for the susceptibility ranking.

Hydrologic Sensitivity

The hydrologic sensitivity of a well is dependent upon four factors. These factors are surface soil composition, the material in the vadose zone (between the land surface and the water table), the depth to first ground water, and the presence of a 50-foot thick fine-grained zone above the water producing zone of the well. Slowly draining soils such as silt and clay typically are more protective of ground water than coarse-grained soils such as sand and gravel. Similarly, fine-grained sediments in the subsurface and a water depth of more than 300 feet from the surface protect the ground water from contamination.

Hydrologic sensitivity was rated high for Well #2 (Table 1). This is based upon moderate to well drained soil classes defined by the National Resource Conservation Service (NRCS). Soils that have poor to moderate drainage characteristics have better filtration capabilities than faster draining soils. The well is also potentially sensitive due to the vadose zone composition consisting of sand and gravel. The depth to first ground water is less than 300 feet from the surface. In addition, the well lacks 50 feet cumulative thickness of low permeability material that helps to reduce the downward movement of contaminants.

Well Construction

Well construction directly affects the ability of the well to protect the aquifer from contaminants. System construction scores are reduced when information shows that potential contaminants will have a more difficult time reaching the intake of the well. Lower scores imply a system that can better protect the water. If the casing and annular seal both extend into a low permeability unit then the possibility of cross contamination from other aquifer layers is reduced and the system construction score goes down. If the highest production interval is more than 100 feet below the water table, then the system is considered to have better buffering capabilities. When information was adequate, a determination was made as to whether the casing and annular seals extend into low permeability units and whether current public water system (PWS) construction standards are met. The system construction score was rated moderate for the well. The sanitary survey states the wellhead and surface seal are in good condition. The well log information indicates the well casing and annular seal do not extend into a low permeable geologic formation, two important aspects of proper well construction. Also, the highest production zone for the well is at least 100 feet below static water level. The well is located outside of a 100-year floodplain decreasing the chance of contaminants being drawn into the drinking water source by surface water flooding.

Well #2 was drilled in 1977 to a depth of 193 feet. The well has a 12-inch casing with a casing thickness of 0.375-inch. The casing was installed at 18-inches above the surface to a depth of 193 feet into gravel. The static water table identified at the time the well was drilling was 21 feet below the land surface. The well's casing is not perforated and there is no annular seal.

The Idaho Department of Water Resources (IDWR) *Well Construction Standards Rules (1993)* require all public water systems (PWSs) to follow DEQ standards. IDAPA 58.01.08.550 requires that PWSs follow the *Recommended Standards for Water Works (1997)* during construction. Under current standards, all PWS wells are required to have a 50-foot buffer around the wellhead. These standards are used to rate the system construction for the well by evaluating items such as condition of wellhead and surface seal, whether the casing and annular space is within consolidated material or 18 feet below the surface, the thickness of the casing, etc. Pump tests for wells producing greater than 50 gpm require a minimum of a 6-hour test. There was insufficient information available to determine if a pump test was performed on the well. If all criteria are not met, the public water source does not meet the IDWR Well Construction Standards. Well #2 does have the appropriate the casing thickness (0.375-inches) for a steel casing that is 12-inches in diameter. There is no indication of an annular seal in the well log, and the pump test performed was less than the minimum time requirement for the well that discharges over 50 gpm. Using the criteria from the IDWR Well Driller's Report, the well does not meet all the requirements for the *Recommended Standards for Water Works.*

Potential Contaminant Source and Land Use

The potential contaminant sources and land use within the delineated zones of water contribution are assessed to determine each well's susceptibility. When agriculture is the predominant land use in the area, this may increase the likelihood of agricultural wastewater infiltrating the ground water system. Agricultural land is counted as a source of leachable contaminants and points are assigned to this rating based on the percentage of agricultural land. The dominant land use for the City of Basalt is irrigated cropland. The land use within the immediate area of the wellhead is predominantly urban.

In terms of potential contaminant sources and land use susceptibility the ratings are as follows. Well #2 rated high for IOCs (i.e., nitrates), VOCs (i.e. petroleum related products), and SOCs (i.e., pesticides) and moderate for microbial contaminants (i.e., fecal coliform).

Most of the potential contaminant sources fall within the 6-10 year time of travel zone. These sources include aboveground and underground fuel storage tanks, historical business such as old gas stations, auto repair and sales facilities. The locations of potential contaminant sources and delineated TOT zones for the well is shown on Figure 2 (Refer to Appendix B for list of Potential Contaminant Sources).

Final Susceptibility Rating

A detection above a drinking water standard (MCL), any detection of a VOC or SOC, or having potential contaminant sources within 50 feet of the wellhead will automatically give a high susceptibility rating to the final well ranking despite the land use of the area because a pathway for contamination already exists. Hydrologic sensitivity and system construction scores are heavily weighted in the final scores. Having multiple potential contaminant sources in the 0 to 3-year time of travel zone (Zone 1B) and a large percentage of agricultural land contribute greatly to the overall ranking. The final susceptibility ranking for Well #2 was high for IOC, VOC, SOC, and microbial contaminants. These ratings reflect the hydrologic sensitivity, system construction, and potential contaminants inventory and land use within the delineated source water assessment areas for the well.

Table 1. Summary of City of Basalt Susceptibility Evaluation

Drinking Water Source	Susceptibility Scores									
	Hydrologic Sensitivity	Contaminant Inventory				System Construction	Final Susceptibility Ranking			
		IOC	VOC	SOC	Microbials		IOC	VOC	SOC	Microbials
Well #2	H	H	H	H	M	M	H	H	H	H

H = High Susceptibility, M = Moderate Susceptibility, L = Low Susceptibility
IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical,

Susceptibility Summary

The inorganic contaminants barium, fluoride, nitrate and sodium represent the main water chemistry recorded in the public water system, although the reported concentrations of these chemicals were below the MCL for each chemical. Total coliform bacteria were detected at various locations in the distribution system. Water chemistry tests have not detected VOCs or SOCs in the drinking water.

The county level agriculture-chemical use is considered high in this area due to a significant amount of agricultural land. Although there may only be a small portion of agriculture land in the direct vicinity of the well, it is useful as a tool in determining the overall chemical usage such as pesticides and how it may impact ground water through infiltration and surface water runoff. In addition, there were potential sources of contamination found within the well's delineated TOT zones (Figure 2).

Section 4. Options for Drinking Water Protection

The susceptibility assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what the susceptibility ranking a source receives, protection is always important. Whether the source is currently located in a "pristine" area or an area with numerous industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources.

An effective drinking water protection program is tailored to the particular local drinking water protection area. A community with a fully developed drinking water protection program will incorporate many strategies. For drinking water protection, the City of Basalt should continue efforts aimed at keeping the distribution system free of microbial contaminants. Disinfection practices should be maintained to prevent microbial contamination from becoming a concern. Also, any new sources that could be considered potential contaminant sources in the well's zones of contribution should also be investigated and monitored to prevent future contamination. Land uses within most of the source water assessment area are outside the direct jurisdiction of the City of Basalt. Therefore partnerships with state and local agencies, industrial and commercial groups should be established to ensure future land uses are protective of ground water quality. Educating employees and the public about source water will further assist the system in its monitoring and protection efforts.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan as the delineations encompass much urban and commercial land uses. Public education topics could include proper lawn and garden care practices, household hazardous waste disposal methods, proper care and maintenance of septic systems, and the importance of water conservation to name but a few. There are multiple resources available to help communities implement protection programs, including the Drinking Water Academy of the U.S. Environmental Protection Agency. Drinking water protection activities for agriculture should be coordinated with the Idaho State Department of Agriculture and the Bingham County Soil and Water Conservation District. Any major transportation corridors that intersect the delineation (such as Highway 91), the Idaho Department of Transportation should be involved in protection efforts. If the system should need to expand in the future, new well sites should be located in areas with as few potential sources of contamination as possible, and the site should be reserved and protected for this specific use.

Assistance

Public water supplies and others may call the following DEQ offices with questions about this assessment and to request assistance with developing and implementing a local protection plan. In addition, draft protection plans may be submitted to the DEQ office for preliminary review and comments.

DEQ Pocatello Regional Office (208) 236-6160

DEQ State Office (208) 373-0502

Website: http://www.deq.state.id.us

Water suppliers serving fewer than 10,000 persons may contact Ms. Melinda Harper, Idaho Rural Water Association, at 208-343-7001 (mlharper@idahoruralwater.com) for assistance with drinking water protection (formerly wellhead protection) strategies.

References Cited

Drinking Water Information Management System (DWIMS). Idaho Department of Environmental Quality

Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environment Managers, 1997. "Recommended Standards for Water Works."

Idaho Division of Environmental Quality Ground Water Program, October 1999. Idaho Source Water Assessment Plan.

Idaho Department of Environmental Quality. 2000. Design Standards for Public Drinking Water Systems. IDAPA 58.01.08.550.01.

Idaho Department of Environmental Quality. 2001. Sanitary Survey of City of Basalt: PWS #6060004, Bingham County

Idaho Department of Water Resources, 1993. Administrative Rules of the Idaho Water Resource Board: Well Construction Standards Rules. IDAPA 37.03.09.

Safe Drinking Water Information System (SDWIS). Idaho Department of Environmental Quality.

Washington Group International, Inc, October 2001. Source Area Delineation Report for the East Margin Area of the Eastern Snake River Plain Hydrologic Province.

POTENTIAL CONTAMINANT INVENTORY LIST OF ACRONYMS AND DEFINITIONS

AST (Aboveground Storage Tanks) – Sites with aboveground storage tanks

Business Mailing List – This list contains potential contaminant sites identified through a yellow pages database search of standard industry codes (SIC).

CERCLIS – This includes sites considered for listing under the **Comprehensive Environmental Response Compensation and Liability Act (CERCLA)**. CERCLA, more commonly known as Superfund is designed to clean up hazardous waste sites that are on the national priority list (NPL).

Cyanide Site – DEQ permitted and known historical sites/facilities using cyanide.

Dairy – Sites included in the primary contaminant source inventory represent those facilities regulated by Idaho State Department of Agriculture (ISDA) and may range from a few head to several thousand head of milking cows.

Deep Injection Well – Injection wells regulated under the Idaho Department of Water Resources generally for the disposal of stormwater runoff or agricultural field drainage.

Enhanced Inventory – Enhanced inventory locations are potential contaminant source sites added by the water system. These can include new sites not captured during the primary contaminant inventory, or corrected locations for sites not properly located during the primary contaminant inventory. Enhanced inventory sites can also include miscellaneous sites added by the Idaho Department of Environmental Quality (DEQ) during the primary contaminant inventory.

Floodplain – This is a coverage of the 100-year floodplains.

Group 1 Sites – These are sites that show elevated levels of contaminants and are not within the priority one areas.

Inorganic Priority Area – Priority one areas where greater than 25% of the wells/springs show constituents higher than primary standards or other health standards.

Landfill – Areas of open and closed municipal and non-municipal landfills.

LUST (Leaking Underground Storage Tank) – Potential contaminant source sites associated with leaking underground storage tanks as regulated under RCRA.

Mines and Quarries – Mines and quarries permitted through the Idaho Department of Lands.)

Nitrate Priority Area – Area where greater than 25% of wells/springs show nitrate values above 5 mg/l.

NPDES (National Pollutant Discharge Elimination System) – Sites with NPDES permits. The Clean Water Act requires that any discharge of a pollutant to waters of the United States from a point source must be authorized by an NPDES permit.

Organic Priority Areas – These are any areas where greater than 25% of wells/springs show levels greater than 1% of the primary standard or other health standards.

Recharge Point – This includes active, proposed, and possible recharge sites on the Snake River Plain.

RCRA – Site regulated under **Resource Conservation Recovery Act (RCRA)**. RCRA is commonly associated with the cradle to grave management approach for generation, storage, and disposal of hazardous wastes.

SARA Tier II (Superfund Amendments and Reauthorization Act Tier II Facilities) – These sites store certain types and amounts of hazardous materials and must be identified under the Community Right to Know Act.

Toxic Release Inventory (TRI) – The toxic release inventory list was developed as part of the Emergency Planning and Community Right to Know (Community Right to Know) Act passed in 1986. The Community Right to Know Act requires the reporting of any release of a chemical found on the TRI list.

UST (Underground Storage Tank) – Potential contaminant source sites associated with underground storage tanks regulated as regulated under RCRA.

Wastewater Land Applications Sites – These are areas where the land application of municipal or industrial wastewater is permitted by DEQ.

Wellheads – These are drinking water well locations regulated under the Safe Drinking Water Act. They are not treated as potential contaminant sources.

NOTE: Many of the potential contaminant sources were located using a geocoding program where mailing addresses are used to locate a facility. Field verification of potential contaminant sources is an important element of an enhanced inventory

Appendix A

City of Basalt
List of Potential Contaminant Sources

Table 2. City of Basalt Potential Contaminant Inventory for Well #2

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
0.01	Septic tank	0-3	Enhanced Inventory	IOC, Microbials
0.02	Former UST	0-3	Enhanced Inventory	VOC, SOC
0.03	Hand Dug Well	0-3	Enhanced Inventory	IOC, VOC, SOC, Microbials
0.04	Hand Dug Well	0-3	Enhanced Inventory	IOC, VOC, SOC, Microbials
0.05	Heating Oil Tank	0-3	Enhanced Inventory	VOC, SOC
0.07	Hand Dug Well	0-3	Enhanced Inventory	IOC, VOC, SOC, Microbials
0.09	AST	0-3	Enhanced Inventory	VOC, SOC
0.1	AST	0-3	Enhanced Inventory	VOC, SOC
0.11	Automobile Repairing	0-3	Enhanced Inventory	VOC, SOC
0.12	Settling Ponds	0-3	Enhanced Inventory	IOC, VOC, SOC, Microbials
0.13	Mine	0-3	Enhanced Inventory	VOC, SOC
0.14	Food Processing	0-3	Enhanced Inventory	IOC, Microbials
1	LUST Site	0-3	Database Inventory	VOC, SOC
2	LUST Site	0-3	Database Inventory	VOC, SOC
3	UST Site	0-3	Database Inventory	VOC, SOC
4	Former UST Site	0-3	Database Inventory	VOC, SOC
5	UST Site	0-3	Database Inventory	VOC, SOC
6	Former UST Site	0-3	Database Inventory	VOC, SOC
7	Former UST Site	0-3	Database Inventory	VOC, SOC
8	Former UST Site	0-3	Database Inventory	VOC, SOC
9	Former UST Site	0-3	Database Inventory	VOC, SOC
10	Former UST Site	0-3	Database Inventory	VOC, SOC
11	Former UST Site	0-3	Database Inventory	VOC, SOC
12	UST Site	0-3	Database Inventory	VOC, SOC
13	Former UST Site	0-3	Database Inventory	VOC, SOC
14	Former UST Site	0-3	Database Inventory	VOC, SOC
15	Dairy	0-3	Database Inventory	IOC, Microbials
16	Dairy	0-3	Database Inventory	IOC, Microbials
17	Auto Repairing & Service	0-3	Database Inventory	IOC, VOC, SOC
18	Grading Contractors	0-3	Database Inventory	VOC, SOC
19	Former Cleaners	0-3	Database Inventory	VOC
21	Janitor Service	0-3	Database Inventory	IOC, VOC, SOC
22	Garbage Collection	0-3	Database Inventory	IOC, VOC, SOC, Microbials
23	Welding	0-3	Database Inventory	VOC, SOC
24	Foundries-Steel	0-3	Database Inventory	IOC, VOC
25	Printers	0-3	Database Inventory	IOC, VOC
26	Funeral Directors	0-3	Database Inventory	IOC, SOC
28	Printers	0-3	Database Inventory	IOC, VOC
29	City Government-Transportation Program	0-3	Database Inventory	VOC, SOC
30	Newspapers-Publishers	0-3	Database Inventory	VOC
31	Trailer-Manufacturers	0-3	Database Inventory	VOC, SOC
32	Truck Renting & Leasing	0-3	Database Inventory	VOC, SOC
33	Electric Companies	0-3	Database Inventory	IOC, VOC
34	Toxic Release Inventory	0-3	Database Inventory	IOC, VOC, Microbials
35	RCRA Site	0-3	Database Inventory	VOC, SOC
36	RCRA Site	0-3	Database Inventory	VOC, SOC
37	RCRA Site	0-3	Database Inventory	VOC
38	RCRA Site	0-3	Database Inventory	IOC, VOC, SOC
39	Mine	0-3	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
40	SARA Site	0-3	Database Inventory	VOC, SOC
41	SARA Site	0-3	Database Inventory	IOC, VOC, SOC
42	SARA Site/Dry Fertilizers	0-3	Database Inventory	IOC, VOC, SOC
43	SARA Site	0-3	Database Inventory	VOC, SOC
44	SARA Site	0-3	Database Inventory	IOC, VOC, SOC
45	SARA Site	0-3	Database Inventory	VOC, SOC
46	SARA Site	0-3	Database Inventory	IOC, VOC, Microbials
47	AST Site	0-3	Database Inventory	VOC, SOC
48	Group 1 Site	0-3	Database Inventory	SOC
49	Group 1 Site	0-3	Database Inventory	VOC
50	Former WLAP Site	0-3	atabase Inventory	IOC, Microbials
51	WLAP Site	0-3	Database Inventory	IOC, Microbials
52	Former LUST Site	3-6	Database Inventory	VOC, SOC
53	Former LUST Site	3-6	Database Inventory	VOC, SOC
54	Former LUST Site	3-6	Database Inventory	VOC, SOC
55	Former LUST Site	3-6	Database Inventory	VOC, SOC
56	Former UST Site	3-6	Database Inventory	VOC, SOC
57	Former UST Site	3-6	Database Inventory	VOC, SOC
58	Former UST Site	3-6	Database Inventory	VOC, SOC
59	Former UST Site	3-6	Database Inventory	VOC, SOC
60	UST Site	3-6	Database Inventory	VOC, SOC
61	UST Site	3-6	Database Inventory	VOC, SOC
62	Former UST Site	3-6	Database Inventory	VOC, SOC
63	Former UST Site	3-6	Database Inventory	VOC, SOC
64	Former UST Site	3-6	Database Inventory	VOC, SOC
65	Former UST Site	3-6	Database Inventory	VOC, SOC
66	Former UST Site	3-6	Database Inventory	VOC, SOC
67	Former UST Site	3-6	Database Inventory	VOC, SOC
68	Former UST Site	3-6	Database Inventory	VOC, SOC
69	Former UST Site	3-6	Database Inventory	VOC, SOC
70	Former UST Site	3-6	Database Inventory	VOC, SOC
71	Former UST Site	3-6	Database Inventory	VOC, SOC
72	Former UST Site	3-6	Database Inventory	VOC, SOC
73	UST Site	3-6	Database Inventory	VOC, SOC
74	Former UST Site	3-6	Database Inventory	VOC, SOC
75	Former UST Site	3-6	Database Inventory	VOC, SOC
76	UST Site	3-6	Database Inventory	VOC, SOC
77	Former UST Site	3-6	Database Inventory	VOC, SOC
78	Former UST Site	3-6	Database Inventory	VOC, SOC
79	Dairy	3-6	Database Inventory	IOC
80	Limousine Service	3-6	Database Inventory	VOC, SOC
81	Crane Service	3-6	Database Inventory	VOC, SOC
82	Lawn Maintenance	3-6	Database Inventory	IOC, SOC
83	Auto Detail & Clean-Up Service	3-6	Database Inventory	IOC, VOC, SOC
86	Machine Shops	3-6	Database Inventory	IOC, VOC, SOC
87	Auto Repairing & Service	3-6	Database Inventory	IOC, VOC, SOC
88	Logging	3-6	Database Inventory	VOC, SOC
89	Fertilizers-Wholesale	3-6	Database Inventory	IOC, SOC
90	Color Sprtns-Offset Photo Engrave	3-6	Database Inventory	IOC, VOC
91	Electric Equipment & Supplies-Wholesale	3-6	Database Inventory	IOC, VOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
92	Culverts	3-6	Database Inventory	IOC, VOC, SOC
93	Well Drilling	3-6	Database Inventory	VOC, SOC
94	Mechanical Contractors	3-6	Database Inventory	IOC, VOC, SOC
95	Auto Body-Repair & Paint	3-6	Database Inventory	IOC, VOC, SOC
96	Decals-Manufacturers	3-6	Database Inventory	VOC, SOC
98	Recreational Vehicles-Repair & Service	3-6	Database Inventory	IOC, VOC, SOC
99	Candy & Confectionery-Manufacturer	3-6	Database Inventory	VOC, SOC
101	Potato Harvesting/Planting Equipment-Manufacturer	3-6	Database Inventory	VOC, SOC
102	Foods-Frozen-Manufacturers	3-6	Database Inventory	IOC, VOC
103	Millwork-Manufacturers	3-6	Database Inventory	VOC, SOC
105	Prefabricated Metal Buildings-Manufacturer	3-6	Database Inventory	IOC, VOC
106	Farm Supplies-Wholesale	3-6	Database Inventory	IOC, VOC, SOC
107	Storage-Household & Commercial	3-6	Database Inventory	IOC, VOC, SOC
108	Excavating Contractors	3-6	Database Inventory	VOC, SOC
110	Trucking-Motor Freight	3-6	Database Inventory	VOC, SOC
111	Trucking-Heavy Hauling	3-6	Database Inventory	VOC, SOC
112	State Government-National Security	3-6	Database Inventory	VOC, SOC
113	Veterinarians	3-6	Database Inventory	IOC, SOC
114	Water Works Equipment & Supplies-Manufacturers	3-6	Database Inventory	IOC
116	Auto Body-Repair & Paint	3-6	Database Inventory	IOC, VOC, SOC
117	Mold Makers	3-6	Database Inventory	VOC, SOC
118	Printers	3-6	Database Inventory	IOC, VOC
120	Trucking-Heavy Hauling	3-6	Database Inventory	VOC, SOC
121	Auto Repairing & Service	3-6	Database Inventory	IOC, VOC, SOC
122	Machine Shops	3-6	Database Inventory	IOC, VOC, SOC
123	Campgrounds	3-6	Database Inventory	IOC, VOC, SOC
124	Veterinarians	3-6	Database Inventory	IOC, SOC
125	Nurserymen	3-6	Database Inventory	IOC, SOC
126	Tractor-Dealers-Wholesale	3-6	Database Inventory	VOC, SOC
127	Trucking-Motor Freight	3-6	Database Inventory	VOC, SOC
128	Truck Renting & Leasing	3-6	Database Inventory	VOC, SOC
129	Truck Renting & Leasing	3-6	Database Inventory	VOC, SOC
130	Sheet Metal Work Contractors	3-6	Database Inventory	IOC, VOC
131	Powder Coatings-Manufacturers	3-6	Database Inventory	SOC
132	Lawn & Garden Equipment & Supplies-Manufacturers	3-6	Database Inventory	IOC, SOC
133	Furniture-Manufacturers	3-6	Database Inventory	VOC, SOC
134	Signs-Manufacturers	3-6	Database Inventory	VOC
135	NPDES Site	3-6	Database Inventory	IOC
136	Toxic Release Inventory	3-6	Database Inventory	IOC, VOC, SOC
137	Toxic Release Inventory	3-6	Database Inventory	IOC, VOC, SOC
138	CERCLA Site	3-6	Database Inventory	IOC, VOC
139	CERCLA Site	3-6	Database Inventory	VOC, SOC
140	CERCLA Site	3-6	Database Inventory	IOC, VOC
141	RCRA Site	3-6	Database Inventory	IOC, VOC, SOC
142	RCRA Site	3-6	Database Inventory	IOC, VOC, SOC
143	RCRA Site	3-6	Database Inventory	IOC, VOC, SOC
144	RCRA Site	3-6	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
145	RCRA Site	3-6	Database Inventory	IOC, VOC, SOC
146	Mine	3-6	Database Inventory	IOC, VOC, SOC
147	Mine	3-6	Database Inventory	IOC, VOC, SOC
148	Mine	3-6	Database Inventory	IOC, VOC, SOC
149	Mine	3-6	Database Inventory	IOC, VOC, SOC
150	Mine	3-6	Database Inventory	IOC, VOC, SOC
151	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
152	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
153	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
154	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
155	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
156	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
157	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
158	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
159	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
160	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
161	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
162	Deep Injection Well	3-6	Database Inventory	IOC, VOC, SOC
163	SARA Site	3-6	Database Inventory	IOC, VOC
164	SARA Site	3-6	Database Inventory	IOC, VOC, SOC
165	SARA Site	3-6	Database Inventory	IOC, VOC
166	SARA Site	3-6	Database Inventory	VOC, SOC
167	SARA Site	3-6	Database Inventory	IOC, VOC, SOC
168	SARA Site	3-6	Database Inventory	VOC, SOC
169	SARA Site	3-6	Database Inventory	VOC, SOC
170	SARA Site	3-6	Database Inventory	VOC, SOC
171	SARA Site	3-6	Database Inventory	IOC, VOC
172	SARA Site	3-6	Database Inventory	IOC, VOC, SOC
173	SARA Site	3-6	Database Inventory	IOC, VOC, SOC
174	Recharge Point	3-6	Database Inventory	IOC, VOC, SOC
175	AST Site	3-6	Database Inventory	VOC, SOC
176	AST Site	3-6	Database Inventory	VOC, SOC
177	Former LUST Site	6-10	Database Inventory	VOC, SOC
178	Former LUST Site	6-10	Database Inventory	VOC, SOC
179	Former LUST Site	6-10	Database Inventory	VOC, SOC
180	Former LUST Site	6-10	Database Inventory	VOC, SOC
181	Former LUST Site	6-10	Database Inventory	VOC, SOC
182	Former LUST Site	6-10	Database Inventory	VOC, SOC
183	Former LUST Site	6-10	Database Inventory	VOC, SOC
184	Former LUST Site	6-10	Database Inventory	VOC, SOC
185	Former LUST Site	6-10	Database Inventory	VOC, SOC
186	LUST Site	6-10	Database Inventory	VOC, SOC
187	LUST Site	6-10	Database Inventory	VOC, SOC
188	Former UST Site	6-10	Database Inventory	VOC, SOC
189	Former UST Site	6-10	Database Inventory	VOC, SOC
190	UST Site	6-10	Database Inventory	VOC, SOC
191	Former UST Site	6-10	Database Inventory	VOC, SOC
192	UST Site	6-10	Database Inventory	VOC, SOC
193	UST Site	6-10	Database Inventory	VOC, SOC
194	Former UST Site	6-10	Database Inventory	VOC, SOC
195	UST Site	6-10	Database Inventory	VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
196	Former UST Site	6-10	Database Inventory	VOC, SOC
197	Former UST Site	6-10	Database Inventory	VOC, SOC
198	UST Site	6-10	Database Inventory	VOC, SOC
199	Former UST Site	6-10	Database Inventory	VOC, SOC
200	UST Site	6-10	Database Inventory	VOC, SOC
201	Former UST Site	6-10	Database Inventory	VOC, SOC
202	Former UST Site	6-10	Database Inventory	VOC, SOC
203	UST Site	6-10	Database Inventory	VOC, SOC
204	Former UST Site	6-10	Database Inventory	VOC, SOC
205	Former UST Site	6-10	Database Inventory	VOC, SOC
206	UST Site	6-10	Database Inventory	VOC, SOC
207	Former UST Site	6-10	Database Inventory	VOC, SOC
208	UST Site	6-10	Database Inventory	VOC, SOC
209	Former UST Site	6-10	Database Inventory	VOC, SOC
210	Former UST Site	6-10	Database Inventory	VOC, SOC
211	Former UST Site	6-10	Database Inventory	VOC, SOC
212	Former UST Site	6-10	Database Inventory	VOC, SOC
213	Former UST Site	6-10	Database Inventory	VOC, SOC
214	Former UST Site	6-10	Database Inventory	VOC, SOC
215	Former UST Site	6-10	Database Inventory	VOC, SOC
216	Former UST Site	6-10	Database Inventory	VOC, SOC
217	UST Site	6-10	Database Inventory	VOC, SOC
218	UST Site	6-10	Database Inventory	VOC, SOC
219	UST Site	6-10	Database Inventory	VOC, SOC
220	UST Site	6-10	Database Inventory	VOC, SOC
221	Former UST Site	6-10	Database Inventory	VOC, SOC
222	Former UST Site	6-10	Database Inventory	VOC, SOC
223	Former UST Site	6-10	Database Inventory	VOC, SOC
224	Former UST Site/Car Wash	6-10	Database Inventory	IOC, VOC, SOC
225	UST Site	6-10	Database Inventory	VOC, SOC
226	Former UST Site	6-10	Database Inventory	VOC, SOC
227	Former UST Site	6-10	Database Inventory	VOC, SOC
228	UST Site	6-10	Database Inventory	VOC, SOC
229	UST Site	6-10	Database Inventory	VOC, SOC
230	Former UST Site	6-10	Database Inventory	VOC, SOC
231	Former UST Site	6-10	Database Inventory	VOC, SOC
232	Former UST Site	6-10	Database Inventory	VOC, SOC
233	Former UST Site	6-10	Database Inventory	VOC, SOC
234	UST Site	6-10	Database Inventory	VOC, SOC
235	Former UST Site	6-10	Database Inventory	VOC, SOC
236	UST Site	6-10	Database Inventory	VOC, SOC
237	UST Site	6-10	Database Inventory	VOC, SOC
238	UST Site	6-10	Database Inventory	VOC, SOC
239	Former UST Site	6-10	Database Inventory	VOC, SOC
240	Former UST Site	6-10	Database Inventory	VOC, SOC
241	UST Site	6-10	Database Inventory	VOC, SOC
242	UST Site	6-10	Database Inventory	VOC, SOC
243	Former UST Site	6-10	Database Inventory	VOC, SOC
244	Former UST Site	6-10	Database Inventory	VOC, SOC
245	UST Site	6-10	Database Inventory	IOC, VOC, SOC
246	Former UST Site	6-10	Database Inventory	VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
247	UST Site	6-10	Database Inventory	VOC, SOC
248	Former UST Site	6-10	Database Inventory	VOC, SOC
249	Former UST Site	6-10	Database Inventory	VOC, SOC
250	Former UST Site	6-10	Database Inventory	VOC, SOC
251	Former UST Site	6-10	Database Inventory	VOC, SOC
252	Former UST Site	6-10	Database Inventory	VOC, SOC
253	UST Site	6-10	Database Inventory	VOC, SOC
254	Former UST Site	6-10	Database Inventory	VOC, SOC
255	Former UST Site	6-10	Database Inventory	VOC, SOC
256	Former UST Site	6-10	Database Inventory	VOC, SOC
257	UST Site	6-10	Database Inventory	VOC, SOC
258	Former UST Site	6-10	Database Inventory	VOC, SOC
259	Former UST Site	6-10	Database Inventory	VOC, SOC
260	Former UST Site	6-10	Database Inventory	VOC, SOC
261	Former UST Site	6-10	Database Inventory	VOC, SOC
262	Former UST Site	6-10	Database Inventory	VOC, SOC
263	Former UST Site	6-10	Database Inventory	VOC, SOC
264	Former UST Site	6-10	Database Inventory	VOC, SOC
265	Former UST Site	6-10	Database Inventory	VOC, SOC
266	UST Site	6-10	Database Inventory	VOC, SOC
267	Former UST Site	6-10	Database Inventory	VOC, SOC
268	UST Site	6-10	Database Inventory	VOC, SOC
269	Former UST Site	6-10	Database Inventory	VOC, SOC
270	Former UST Site	6-10	Database Inventory	VOC, SOC
271	Former UST Site	6-10	Database Inventory	VOC, SOC
272	Former UST Site	6-10	Database Inventory	VOC, SOC
273	Former UST Site	6-10	Database Inventory	VOC, SOC
274	UST Site	6-10	Database Inventory	VOC, SOC
275	UST Site	6-10	Database Inventory	VOC, SOC
276	Former UST Site	6-10	Database Inventory	VOC, SOC
277	UST Site	6-10	Database Inventory	VOC, SOC
278	UST Site	6-10	Database Inventory	VOC, SOC
279	Former UST Site	6-10	Database Inventory	VOC, SOC
280	UST Site/Car Wash	6-10	Database Inventory	IOC, VOC, SOC
282	Former UST Site	6-10	Database Inventory	VOC, SOC
283	Former UST Site	6-10	Database Inventory	VOC, SOC
284	Former UST Site	6-10	Database Inventory	VOC, SOC
285	UST Site	6-10	Database Inventory	VOC, SOC
286	Former UST Site	6-10	Database Inventory	VOC, SOC
287	UST Site	6-10	Database Inventory	VOC, SOC
288	UST Site	6-10	Database Inventory	VOC, SOC
289	UST Site	6-10	Database Inventory	VOC, SOC
290	Former UST Site	6-10	Database Inventory	VOC, SOC
291	Former UST Site	6-10	Database Inventory	VOC, SOC
292	Former UST Site	6-10	Database Inventory	VOC, SOC
293	UST Site	6-10	Database Inventory	VOC, SOC
294	UST Site	6-10	Database Inventory	VOC, SOC
295	Former UST Site	6-10	Database Inventory	VOC, SOC
296	UST Site	6-10	Database Inventory	VOC, SOC
297	Former UST Site	6-10	Database Inventory	VOC, SOC
298	Former UST Site	6-10	Database Inventory	VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
299	UST Site	6-10	Database Inventory	VOC, SOC
300	Dairy	6-10	Database Inventory	IOC
302	Laundries	6-10	Database Inventory	IOC, VOC
304	Welding	6-10	Database Inventory	VOC, SOC
305	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
306	Signs-Manufacturers	6-10	Database Inventory	VOC
307	Pest Control	6-10	Database Inventory	SOC
308	Auto Radiator-Repairing	6-10	Database Inventory	IOC, VOC, SOC
309	Tools-Pneumatic-Wholesale	6-10	Database Inventory	VOC, SOC
310	Auto Parts-Used & Rebuilt	6-10	Database Inventory	VOC, SOC
311	Plumbing Drain & Sewer Cleaning	6-10	Database Inventory	VOC, SOC
312	Hardware-Retail	6-10	Database Inventory	VOC, SOC
313	Truck-Dealers-Used	6-10	Database Inventory	VOC, SOC
314	Farm Equipment-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
316	Rental Service-Stores & Yards	6-10	Database Inventory	VOC, SOC
317	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
318	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
319	Engines-Rebuilding & Repairing	6-10	Database Inventory	IOC, VOC, SOC
320	Potato Harvesting/Planting Equipment-Manufacturer	6-10	Database Inventory	VOC, SOC
321	Farm Equipment-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
322	Trucking-Motor Freight	6-10	Database Inventory	VOC, SOC
323	Veterinarians	6-10	Database Inventory	IOC, SOC
324	Veterinarians	6-10	Database Inventory	IOC, SOC
326	Tree Service	6-10	Database Inventory	IOC, SOC
327	Bicycles-Dealers	6-10	Database Inventory	VOC, SOC
328	Excavating Contractors	6-10	Database Inventory	VOC, SOC
329	Truck-Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
330	Hospitals	6-10	Database Inventory	IOC, SOC
331	Pharmaceutical Products-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
332	Contractors-Equipment/Supplies/Dealers/Service	6-10	Database Inventory	IOC, VOC, SOC
333	Auto Renting & Leasing	6-10	Database Inventory	VOC, SOC
334	Boat Repairing	6-10	Database Inventory	IOC, VOC, SOC
335	Satellite Equipment & Systems-Manufacturer	6-10	Database Inventory	VOC, SOC
337	Plumbing Drain & Sewer Cleaning	6-10	Database Inventory	VOC, SOC
338	Hardware-Wholesale	6-10	Database Inventory	VOC, SOC
340	Landscape Contractors	6-10	Database Inventory	IOC, SOC
341	Mufflers & Exhaust Systems-Engine	6-10	Database Inventory	IOC, VOC, SOC
342	Dog & Cat Kennels	6-10	Database Inventory	IOC
343	Parking Area Maintenance & Marking	6-10	Database Inventory	VOC, SOC
344	Auto Body Shop Equipment & Supplies	6-10	Database Inventory	IOC, VOC, SOC
345	Auto Customizing	6-10	Database Inventory	IOC, VOC, SOC
346	Plating-Manufacturers	6-10	Database Inventory	IOC, VOC
347	Auto Customizing	6-10	Database Inventory	IOC, VOC, SOC
348	Packaging Machinery-Wholesale	6-10	Database Inventory	VOC, SOC
349	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
350	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
351	Springs-Automotive-Sales & Service	6-10	Database Inventory	VOC, SOC
352	Farm Supplies-Wholesale	6-10	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
353	Wood Products-Manufacturers	6-10	Database Inventory	IOC, VOC, SOC
354	Auto Dealers-New Cars	6-10	Database Inventory	VOC, SOC
355	Bags-Plastic-Manufacturers	6-10	Database Inventory	IOC, VOC, SOC
356	Sausages/Other Prepared Meat Products-Manufacturer	6-10	Database Inventory	IOC, VOC
358	Printers	6-10	Database Inventory	IOC, VOC
360	Plumbing Drain & Sewer Cleaning	6-10	Database Inventory	VOC, SOC
361	Paving Contractors	6-10	Database Inventory	VOC, SOC
362	Paint-Retail	6-10	Database Inventory	VOC, SOC
363	Carpet & Rug Cleaners	6-10	Database Inventory	VOC
364	Tire-Dealers-Retail	6-10	Database Inventory	VOC, SOC
365	Tire-Dealers-Retail	6-10	Database Inventory	VOC, SOC
366	Bicycles-Dealers	6-10	Database Inventory	VOC, SOC
367	Motorcycles & Motor Scooters-Dealers	6-10	Database Inventory	VOC, SOC
368	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
369	Recreational Vehicles	6-10	Database Inventory	VOC, SOC
370	Outboard Motors	6-10	Database Inventory	IOC, VOC, SOC
371	Auto Radiator-Repairing	6-10	Database Inventory	IOC, VOC, SOC
372	Auto Parts-Used & Rebuilt	6-10	Database Inventory	VOC, SOC
373	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
374	Motorcycles & Motor Scooters-Dealers	6-10	Database Inventory	VOC, SOC
376	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
377	Funeral Directors	6-10	Database Inventory	IOC, SOC
378	Funeral Directors	6-10	Database Inventory	IOC, SOC
379	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
380	Auto Restoration-Antique	6-10	Database Inventory	IOC, VOC, SOC
381	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
382	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
383	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
384	Wheel Alignment-Frame & Axle Service	6-10	Database Inventory	IOC, VOC, SOC
385	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
386	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
387	Newspapers-Publishers	6-10	Database Inventory	VOC
388	Boat Dealers	6-10	Database Inventory	VOC, SOC
389	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
390	Car Washing & Polishing	6-10	Database Inventory	IOC, VOC, SOC
391	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
392	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
393	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
394	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
395	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC
397	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
398	Recreational Vehicles	6-10	Database Inventory	VOC, SOC
399	Lawn Mowers	6-10	Database Inventory	VOC, SOC
400	Dairy Products-Wholesale	6-10	Database Inventory	IOC
401	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
402	Auto Parts-Used & Rebuilt	6-10	Database Inventory	VOC, SOC
403	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
404	Store Fronts	6-10	Database Inventory	VOC, SOC
405	Service Stations-Gasoline & Oil	6-10	Database Inventory	VOC, SOC
406	Landscape Contractors	6-10	Database Inventory	IOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
407	Truck Equipment & Parts-Used Wholesale	6-10	Database Inventory	VOC, SOC
408	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
409	Pet Services	6-10	Database Inventory	IOC
411	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
412	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
413	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC
414	Bottlers	6-10	Database Inventory	IOC, VOC, SOC
415	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
416	Signs-Manufacturers	6-10	Database Inventory	VOC
417	Funeral Directors	6-10	Database Inventory	IOC, SOC
420	Welding	6-10	Database Inventory	VOC, SOC
422	Veterinarians	6-10	Database Inventory	IOC, SOC
423	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
425	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
426	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
427	Shelving-Manufacturers	6-10	Database Inventory	VOC, SOC
428	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
429	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
430	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
432	Electric Equipment & Supplies-Wholesale	6-10	Database Inventory	IOC, VOC
433	Truck-Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
434	Concrete Contractors	6-10	Database Inventory	IOC, VOC, SOC
435	Cleaners	6-10	Database Inventory	VOC
436	Lawn Mowers-Sharpening & Repairing	6-10	Database Inventory	VOC, SOC
437	Playground Equipment-Manufacturers	6-10	Database Inventory	VOC, SOC
438	Snow Removal Equipment-Retail	6-10	Database Inventory	VOC, SOC
439	Janitors Supplies-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
440	Crop Planting Cultivating & Protection	6-10	Database Inventory	IOC, SOC
441	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC
442	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC
443	Truck-Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
444	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
445	Steel Fabricators	6-10	Database Inventory	VOC, SOC
446	Converted Paper/Paperboard Products	6-10	Database Inventory	IOC, VOC, SOC
447	Dome Structures	6-10	Database Inventory	VOC, SOC
449	Goldsmiths & Silversmiths	6-10	Database Inventory	IOC, VOC
450	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
451	Fuel Injection Equipment-Repair	6-10	Database Inventory	IOC, VOC, SOC
452	Printers	6-10	Database Inventory	IOC, VOC
453	Landscape Contractors	6-10	Database Inventory	IOC, SOC
454	Motorcycles & Motor Scooters-Repair	6-10	Database Inventory	IOC, VOC, SOC
455	Logging Companies	6-10	Database Inventory	VOC, SOC
456	Powder Coatings-Manufacturers	6-10	Database Inventory	SOC
457	Paint-Retail	6-10	Database Inventory	VOC, SOC
458	Railroads	6-10	Database Inventory	IOC, VOC, SOC
459	Veterinarians	6-10	Database Inventory	IOC, SOC
461	Taxicabs	6-10	Database Inventory	VOC, SOC
462	Water Treatment Equip Service & Supplies	6-10	Database Inventory	IOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
464	Machine Shops	6-10	Database Inventory	IOC, VOC, SOC
465	Drapery & Curtain Cleaners	6-10	Database Inventory	IOC, VOC
466	Electric Equipment & Supplies-Wholesale	6-10	Database Inventory	IOC, VOC
468	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
469	Castings-Metals	6-10	Database Inventory	IOC, VOC
470	Movers	6-10	Database Inventory	VOC, SOC
471	Auto Renting & Leasing	6-10	Database Inventory	VOC, SOC
472	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
473	Plants-Interior Design & Maintenance	6-10	Database Inventory	IOC, SOC
474	Janitor Service	6-10	Database Inventory	IOC, VOC, SOC
475	Batteries-Storage-Wholesale	6-10	Database Inventory	IOC
476	Feed-Wholesale	6-10	Database Inventory	IOC, SOC
477	Plumbing Fixtures & Supplies-Whole	6-10	Database Inventory	VOC, SOC
478	Commercial Printing	6-10	Database Inventory	IOC, VOC
479	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
480	Water & Sewage Companies-Utility	6-10	Database Inventory	IOC, VOC, SOC
481	Screen Printing	6-10	Database Inventory	IOC, VOC
482	Ice Cream & Frozen Desserts Manufacturers	6-10	Database Inventory	IOC, VOCs
483	Auto Seatcovers Tops & Upholstery	6-10	Database Inventory	VOC, SOC
484	Oils-Fuel-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
485	Fire Departments	6-10	Database Inventory	VOC, SOC
486	Fire Departments	6-10	Database Inventory	VOC, SOC
487	Fire Departments	6-10	Database Inventory	VOC, SOC
488	Fire Protection Equipment & Supplies	6-10	Database Inventory	VOC, SOC
489	Welding	6-10	Database Inventory	VOC, SOC
490	Material Handling Equipment-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
491	Veterinarians	6-10	Database Inventory	IOC, SOC
492	Photographic Equipment-Repairing	6-10	Database Inventory	IOC, VOC
493	Tire-Dealers-Retail	6-10	Database Inventory	VOC, SOC
494	Signs-Manufacturers	6-10	Database Inventory	VOC
495	Bags-Plastic-Manufacturers	6-10	Database Inventory	IOC, VOC, SOC
496	Paving Contractors	6-10	Database Inventory	VOC, SOC
497	Livestock Hauling	6-10	Database Inventory	IOC
498	Building Contractors	6-10	Database Inventory	IOC, VOC, SOC
499	Paint-Retail	6-10	Database Inventory	VOC, SOC
501	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
503	Signs-Manufacturers	6-10	Database Inventory	VOC
504	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
505	Wrecker Service	6-10	Database Inventory	IOC, VOC, SOC
506	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
507	Tile-Ceramic-Contractors & Dealers	6-10	Database Inventory	VOC, SOC
508	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
509	Roofing Contractors	6-10	Database Inventory	IOC, VOC, SOC
510	Septic Tanks-Cleaning & Repairing	6-10	Database Inventory	IOC, VOC, SOC
511	Contractors-Equipment/Supplies/Dealers/Service	6-10	Database Inventory	IOC, VOC, SOC
512	Tree Service	6-10	Database Inventory	IOC, SOC
513	Signs-Manufacturers	6-10	Database Inventory	VOC
514	Publishers-Periodical	6-10	Database Inventory	VOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
515	Photographers-Portrait	6-10	Database Inventory	IOC, VOC
516	Concrete Contractors	6-10	Database Inventory	IOC, VOC, SOC
517	Carpet & Rug Cleaners	6-10	Database Inventory	VOC
518	Wrecker Service	6-10	Database Inventory	IOC, VOC, SOC
519	Janitor Service	6-10	Database Inventory	IOC, VOC, SOC
520	Recreational Vehicles	6-10	Database Inventory	VOC, SOC
521	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC
522	Lawn Mowers	6-10	Database Inventory	VOC, SOC
523	Chemicals-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
524	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
525	Hydraulic Equipment & Supplies-Wholesale	6-10	Database Inventory	VOC, SOC
527	Barbers Equipment & Supplies-Mfrs	6-10	Database Inventory	VOC
528	Canvas Goods-Manufacturers	6-10	Database Inventory	VOC, SOC
529	Ambulance Service	6-10	Database Inventory	VOC, SOC
530	Water Treatment Equip Service & Supplies	6-10	Database Inventory	IOC
531	Fire Departments	6-10	Database Inventory	VOC, SOC
532	Foundries-Steel	6-10	Database Inventory	IOC, VOC
533	Parking Area Maintenance & Marking	6-10	Database Inventory	VOC, SOC
534	Hospitals	6-10	Database Inventory	IOC, SOC
535	Parking Area Maintenance & Marking	6-10	Database Inventory	VOC, SOC
536	Water & Sewage Companies-Utility	6-10	Database Inventory	IOC, VOC, SOC
538	Livestock Auction Markets	6-10	Database Inventory	IOC
539	Material Handling Equipment-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
540	Truck Equipment & Parts-Wholesale	6-10	Database Inventory	VOC, SOC
541	Steel Fabricators	6-10	Database Inventory	VOC, SOC
542	Cut Stone & Stone Products Manufacturers	6-10	Database Inventory	VOC, SOC
543	Trailers-Truck-Wholesale	6-10	Database Inventory	VOC, SOC
544	Radio/TV Broadcast/Comm. Equipment-Manufacturer	6-10	Database Inventory	VOC, SOC
546	Photo Finishing-Retail	6-10	Database Inventory	IOC, VOC
547	Boat Dealers	6-10	Database Inventory	VOC, SOC
548	Snow Removal Service	6-10	Database Inventory	VOC, SOC
549	Trailer-Manufacturers	6-10	Database Inventory	VOC, SOC
550	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
551	Sewage Disposal Systems	6-10	Database Inventory	IOC, VOC, SOC
552	Auto Restoration-Antique	6-10	Database Inventory	IOC, VOC, SOC
553	Grain Elevators	6-10	Database Inventory	IOC
554	Tire-Dealers-Retail	6-10	Database Inventory	VOC, SOC
555	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
556	Machine Shops	6-10	Database Inventory	IOC, VOC, SOC
557	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
558	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
559	Engravers-Glassware-Manufacturers	6-10	Database Inventory	VOC, SOC
560	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
561	Cabinets-Manufacturers	6-10	Database Inventory	VOC
562	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
563	Tile-Ceramic-Contractors & Dealers	6-10	Database Inventory	VOC, SOC
564	Motorcycles & Motor Scooters-Repair	6-10	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
565	Publishers-Periodical	6-10	Database Inventory	VOC
566	Potato Processing Equipment-Manufacturer	6-10	Database Inventory	VOC, SOC
567	Ornamental Metal Work-Manufacturer	6-10	Database Inventory	IOC, VOC
568	Lawn Mowers	6-10	Database Inventory	VOC, SOC
569	Auto Parts & Supplies-Wholesale	6-10	Database Inventory	VOC, SOC
570	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
571	Painters	6-10	Database Inventory	VOC, SOC
572	Paving Contractors	6-10	Database Inventory	VOC, SOC
573	Dresses-Manufacturers	6-10	Database Inventory	
574	Veterinarians	6-10	Database Inventory	IOC, SOC
575	Stereophonic & High Fidelity Equipment	6-10	Database Inventory	VOC, SOC
576	Tree Service	6-10	Database Inventory	IOC, SOC
577	Lawn Maintenance	6-10	Database Inventory	IOC, SOC
578	Tire-Dealers-Retail	6-10	Database Inventory	VOC, SOC
579	Tire-Dealers-Retail	6-10	Database Inventory	VOC, SOC
580	Transmissions-Auto	6-10	Database Inventory	IOC, VOC, SOC
581	Wheel Alignment-Frame & Axle Service	6-10	Database Inventory	IOC, VOC, SOC
582	Welding Equipment & Supplies-Wholesale	6-10	Database Inventory	VOC, SOC
583	Sporting Goods-Manufacturers	6-10	Database Inventory	VOC, SOC
584	Printers	6-10	Database Inventory	IOC, VOC
585	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
586	Wrecker Service	6-10	Database Inventory	IOC, VOC, SOC
587	Sportswear-Mens-Manufacturers	6-10	Database Inventory	VOC, SOC
588	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
589	Tile-Ceramic-Contractors & Dealers	6-10	Database Inventory	VOC, SOC
590	Drilling & Boring Contractors	6-10	Database Inventory	IOC, VOC, SOC
591	Ornamental Metal Work-Manufacturer	6-10	Database Inventory	IOC, VOC
592	Dairy Products-Wholesale	6-10	Database Inventory	IOC
593	Mufflers & Exhaust Systems-Engine	6-10	Database Inventory	IOC, VOC, SOC
594	Typesetting-Manufacturers	6-10	Database Inventory	VOC, SOC
595	Movers	6-10	Database Inventory	VOC, SOC
596	Mufflers & Exhaust Systems-Engine	6-10	Database Inventory	IOC, VOC, SOC
597	Concrete Contractors	6-10	Database Inventory	IOC, VOC, SOC
598	Ornamental Metal Work-Manufacturer	6-10	Database Inventory	IOC, VOC
599	Wrecker Service	6-10	Database Inventory	IOC, VOC, SOC
600	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
604	Livestock-Dealers-Wholesale	6-10	Database Inventory	IOC,
605	Truck Equipment & Parts-Wholesale	6-10	Database Inventory	VOC, SOC
606	Wrecker Service	6-10	Database Inventory	IOC, VOC, SOC
607	Landscape Contractors	6-10	Database Inventory	IOC, SOC
608	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
609	Cleaning Compounds-Manufacturers	6-10	Database Inventory	VOC
610	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC,
611	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
612	Veterinarians	6-10	Database Inventory	IOC, SOC,
613	Artificial Limbs-Manufacturers	6-10	Database Inventory	IOC, VOC
614	Plastics-Vacuum/Pressure Forming-Manufacturer	6-10	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
615	Printers	6-10	Database Inventory	IOC, VOC
616	Veterinarians	6-10	Database Inventory	IOC, SOC,
617	Tire-Retreading & Repairing	6-10	Database Inventory	IOC, VOC, SOC
618	Photographers-Portrait	6-10	Database Inventory	IOC, VOC
620	Photo Finishing-Retail	6-10	Database Inventory	IOC, VOC
621	Service Stations-Gasoline & Oil	6-10	Database Inventory	VOC, SOC
622	Brake Service	6-10	Database Inventory	IOC, VOC, SOC
623	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
624	Drapery & Curtain Cleaners	6-10	Database Inventory	IOC, VOC
625	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
626	Gas Companies	6-10	Database Inventory	VOC
627	Delivery Service	6-10	Database Inventory	VOC, SOC
628	Barbers Equipment & Supplies-Wholesale	6-10	Database Inventory	VOC
629	Auto Machine Shop Service	6-10	Database Inventory	IOC, VOC, SOC
631	Photo Finishing-Retail	6-10	Database Inventory	IOC, VOC
632	Janitor Service	6-10	Database Inventory	IOC, VOC, SOC
633	Pest Control	6-10	Database Inventory	SOC
634	Golf Courses-Public	6-10	Database Inventory	IOC, VOC, SOC
635	Plastics-High Pressure Laminates-Manufacturer	6-10	Database Inventory	IOC, VOC, SOC
636	Printers	6-10	Database Inventory	IOC, VOC
637	Newspapers-Publishers	6-10	Database Inventory	VOC
638	Boat Repairing	6-10	Database Inventory	IOC, VOC, SOC
639	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
640	Hardware-Wholesale	6-10	Database Inventory	VOC, SOC
641	Excavating Contractors	6-10	Database Inventory	VOC, SOC
642	Boat Dealers	6-10	Database Inventory	VOC, SOC
643	Printers	6-10	Database Inventory	IOC, VOC
644	Trucking-Liquid & Dry Bulk	6-10	Database Inventory	VOC, SOC
645	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
646	Farms	6-10	Database Inventory	IOC, VOC, SOC
647	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
648	Relays & Industrial Controls-Manufacturer	6-10	Database Inventory	VOC, SOC
649	Trailers-Camping & Travel	6-10	Database Inventory	VOC, SOC
650	Snow Removal Equipment-Retail	6-10	Database Inventory	VOC, SOC
651	Industrial Measuring/Cntrl Instr-Manufacturers	6-10	Database Inventory	VOC, SOC
652	Rental Service-Stores & Yards	6-10	Database Inventory	VOC, SOC
654	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
655	Painters	6-10	Database Inventory	VOC, SOC
656	Four Wheel Drive-Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
657	Landscape Contractors	6-10	Database Inventory	IOC, SOC
658	Storage-Household & Commercial	6-10	Database Inventory	IOC, VOC, SOC
659	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
660	Bicycles-Dealers	6-10	Database Inventory	VOC, SOC
661	Rope-Manufacturers	6-10	Database Inventory	VOC, SOC
662	Brick-Clay Common & Face-Manufacturing	6-10	Database Inventory	VOC, SOC
664	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
665	Veterinarians	6-10	Database Inventory	IOC, SOC,
666	Recreational Vehicles	6-10	Database Inventory	VOC, SOC
668	Auto Dealers-New Cars	6-10	Database Inventory	VOC, SOC
669	Auto Parts-Used & Rebuilt	6-10	Database Inventory	VOC, SOC
670	Bicycles-Dealers	6-10	Database Inventory	VOC, SOC
671	Florists-Supplies-Wholesale	6-10	Database Inventory	IOC
672	Auto Parts & Supplies-Retail	6-10	Database Inventory	VOC, SOC
673	Truck Renting & Leasing	6-10	Database Inventory	VOC, SOC
674	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
675	Printers	6-10	Database Inventory	IOC, VOC
676	Machine Tools-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
677	Campgrounds	6-10	Database Inventory	IOC, VOC, SOC,
678	Paint-Retail	6-10	Database Inventory	VOC, SOC
679	Veterinarians	6-10	Database Inventory	IOC, SOC,
680	Signs-Manufacturers	6-10	Database Inventory	VOC
681	Bicycles-Dealers	6-10	Database Inventory	VOC, SOC
683	Signs-Manufacturers	6-10	Database Inventory	VOC
684	Auto Dealers-New Cars	6-10	Database Inventory	VOC, SOC
686	Bathtubs & Sinks-Repairing & Refinishing	6-10	Database Inventory	VOC, SOC
687	Laboratories-Medical	6-10	Database Inventory	IOC, VOC, SOC,
688	Chemicals-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
689	Photographers-Portrait	6-10	Database Inventory	IOC, VOC
690	Llamas	6-10	Database Inventory	IOC,
691	Car Washing & Polishing	6-10	Database Inventory	IOC, VOC, SOC
692	Washers-Pressure	6-10	Database Inventory	VOC, SOC
693	Electric Equipment & Supplies-Wholesale	6-10	Database Inventory	IOC, VOC
694	Landscape Contractors	6-10	Database Inventory	IOC, SOC
695	Transmissions-Truck Tractor Etc.	6-10	Database Inventory	IOC, VOC, SOC
696	Paint-Retail	6-10	Database Inventory	VOC, SOC
697	Machine Shops	6-10	Database Inventory	IOC, VOC, SOC
698	Tile-Ceramic-Contractors & Dealers	6-10	Database Inventory	VOC, SOC
699	Farm Supplies-Wholesale	6-10	Database Inventory	IOC, VOC, SOC
700	Auto Radiator-Repairing	6-10	Database Inventory	IOC, VOC, SOC
701	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
702	Service Stations-Gasoline & Oil	6-10	Database Inventory	VOC, SOC
703	Photographers-Portrait	6-10	Database Inventory	IOC, VOC
704	Veterinarians	6-10	Database Inventory	IOC, SOC,
705	Puzzles-Manufacturers	6-10	Database Inventory	VOC, SOC
706	Steel Fabricators	6-10	Database Inventory	VOC, SOC
707	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
708	Carpet & Rug Cleaners	6-10	Database Inventory	VOC
709	Car Washing & Polishing	6-10	Database Inventory	IOC, VOC, SOC
710	Painters	6-10	Database Inventory	VOC, SOC
711	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
712	Cleaners	6-10	Database Inventory	VOC
713	Laboratories-Medical	6-10	Database Inventory	IOC, VOC, SOC,
714	X-Ray Laboratories-Medical	6-10	Database Inventory	VOC, SOC
715	Auto Detail & Clean-Up Service	6-10	Database Inventory	IOC, VOC, SOC
716	Newspapers-Publishers	6-10	Database Inventory	VOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
717	Pet Services	6-10	Database Inventory	IOC,
718	Auto Body-Repair & Paint	6-10	Database Inventory	IOC, VOC, SOC
720	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC,
721	Laboratories-Dental	6-10	Database Inventory	IOC, VOC, SOC,
722	Janitor Service	6-10	Database Inventory	IOC, VOC, SOC
723	Publishers-Directory & Guide	6-10	Database Inventory	VOC
724	Auto Renting & Leasing	6-10	Database Inventory	VOC, SOC
725	Truck Renting & Leasing	6-10	Database Inventory	VOC, SOC
726	Truck Renting & Leasing	6-10	Database Inventory	VOC, SOC
727	Microfilming Service Equipment & Supplies	6-10	Database Inventory	IOC, VOC
728	Federal Government-National Security	6-10	Database Inventory	VOC, SOC
729	Service Stations-Gasoline & Oil	6-10	Database Inventory	VOC, SOC
730	Snowmobiles	6-10	Database Inventory	VOC, SOC
731	Printers	6-10	Database Inventory	IOC, VOC
732	Auto Parts-Used & Rebuilt	6-10	Database Inventory	VOC, SOC
733	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
734	Excavating Contractors	6-10	Database Inventory	VOC, SOC
735	Excavating Contractors	6-10	Database Inventory	VOC, SOC
736	Auto Repairing & Service	6-10	Database Inventory	IOC, VOC, SOC
737	Dairies	6-10	Database Inventory	IOC,
738	Trucking-Heavy Hauling	6-10	Database Inventory	VOC, SOC
739	Controls Control Systs/Regulators	6-10	Database Inventory	VOC, SOC
740	Wheels	6-10	Database Inventory	VOC, SOC
741	Ornamental Metal Work-Manufacturer	6-10	Database Inventory	IOC, VOC
742	Veterinarians	6-10	Database Inventory	IOC, SOC,
743	Funeral Directors	6-10	Database Inventory	IOC, SOC
744	Auto Dealers-Used Cars	6-10	Database Inventory	VOC, SOC
747	Roofing Contractors	6-10	Database Inventory	IOC, VOC, SOC
748	Service Stations-Gasoline & Oil	6-10	Database Inventory	VOC, SOC
749	Service Stations-Gasoline & Oil	6-10	Database Inventory	VOC, SOC
750	Auto Lubrication Service	6-10	Database Inventory	IOC, VOC, SOC
751	Printers	6-10	Database Inventory	IOC, VOC
752	CERCLA Site	6-10	Database Inventory	IOC, VOC, SOC
753	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
754	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
755	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
756	RCRA Site	6-10	Database Inventory	VOC
757	RCRA Site	6-10	Database Inventory	VOC
758	RCRA Site	6-10	Database Inventory	VOC
759	RCRA Site	6-10	Database Inventory	VOC
760	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
761	RCRA Site/Former Cleaners	6-10	Database Inventory	IOC, VOC
762	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
763	RCRA Site	6-10	Database Inventory	VOC, SOC
764	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
765	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
766	RCRA Site	6-10	Database Inventory	VOC, SOC
767	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
768	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
769	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
770	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
771	RCRA Site	6-10	Database Inventory	IOC, VOC
772	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
773	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
774	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
775	RCRA Site	6-10	Database Inventory	VOC, SOC
776	RCRA Site	6-10	Database Inventory	IOC, VOC
777	RCRA Site	6-10	Database Inventory	VOC, SOC
778	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
779	RCRA Site	6-10	Database Inventory	VOC, SOC
780	RCRA Site	6-10	Database Inventory	VOC, SOC
781	RCRA Site	6-10	Database Inventory	VOC, SOC
782	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
783	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
784	RCRA Site	6-10	Database Inventory	IOC, VOC, SOC
785	Mine	6-10	Database Inventory	IOC, VOC, SOC
786	Mine	6-10	Database Inventory	IOC, VOC, SOC
787	Mine	6-10	Database Inventory	IOC, VOC, SOC
788	Mine	6-10	Database Inventory	IOC, VOC, SOC
789	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
790	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
791	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
792	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
793	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
794	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
795	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
796	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
797	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
798	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
799	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
800	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
801	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
802	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
803	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
804	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
805	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
806	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
807	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
808	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
809	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
810	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
811	Deep Injection Well	6-10	Database Inventory	IOC, VOC, SOC,
812	SARA Site	6-10	Database Inventory	IOC, VOC
813	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
814	SARA Site	6-10	Database Inventory	IOC, VOC
815	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
816	SARA Site	6-10	Database Inventory	VOC, SOC
817	SARA Site	6-10	Database Inventory	VOC, SOC
818	SARA Site	6-10	Database Inventory	VOC, SOC
819	SARA Site	6-10	Database Inventory	VOC, SOC
820	SARA Site	6-10	Database Inventory	IOC, VOC, SOC

Site #	Source Description[1]	TOT Zone (Years)[2]	Source Information	Potential Contaminants[3]
821	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
822	SARA Site	6-10	Database Inventory	VOC, SOC
823	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
824	SARA Site	6-10	Database Inventory	VOC, SOC
825	SARA Site	6-10	Database Inventory	VOC, SOC
826	SARA Site	6-10	Database Inventory	VOC, SOC
827	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
828	SARA Site	6-10	Database Inventory	VOC, SOC
829	SARA Site	6-10	Database Inventory	VOC, SOC
830	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
831	SARA Site	6-10	Database Inventory	VOC, SOC
832	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
833	SARA Site	6-10	Database Inventory	VOC, SOC
834	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
835	SARA Site	6-10	Database Inventory	VOC, SOC
836	SARA Site	6-10	Database Inventory	IOC, VOC, SOC
837	Recharge Point	6-10	Database Inventory	IOC, VOC, SOC
838	Recharge Point	6-10	Database Inventory	IOC, VOC, SOC
839	Recharge Point	6-10	Database Inventory	IOC, VOC, SOC
840	AST Site	6-10	Database Inventory	VOC, SOC
841	AST Site	6-10	Database Inventory	VOC, SOC
842	AST Site	6-10	Database Inventory	VOC, SOC
843	AST Site	6-10	Database Inventory	VOC, SOC
844	AST Site	6-10	Database Inventory	VOC, SOC
845	AST Site	6-10	Database Inventory	VOC, SOC
846	Group 1 Site	6-10	Database Inventory	VOC
847	Landfill	6-10	Database Inventory	IOC, VOC, SOC,
848	Landfill	6-10	Database Inventory	IOC, VOC, SOC,

[1] SARA = Superfund Amendments and Reauthorization Act, RCRA = Resource Conservation Recovery Act, CERCLA = Comprehensive Environmental Response Compensation and Liability Act, TRI = Toxic Release Inventory WLAP = Wasterwater Land Application, UST = underground storage tank, LUST = leaking underground storage tank, AST = aboveground storage tank

[2]TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead,

[3] IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical,

Appendix B

City of Basalt
Susceptibility Analysis Worksheet

The final scores for the susceptibility analysis were determined using the following formulas:

1) VOC/SOC/IOC Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.2)

2) Microbial Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.375)

Final Susceptibility Scoring:

0 - 5 Low Susceptibility

6 - 12 Moderate Susceptibility

≥ 13 High Susceptibility

Ground Water Susceptibility Report Public Water System Name :CITY OF BASALT Public Water System Number 6060004 WELL #2

1. System Construction			SCORE			
Drill Date		9/1/72				
Driller Log Available		YES				
Sanitary Survey (if yes, indicate date of last survey)		YES	2001			
Well meets IDWR construction standards		NO	1			
Wellhead and surface seal maintained		YES	0			
Casing and annular seal extend to low permeability unit		NO	2			
Highest production 100 feet below static water level		YES	0			
Well located outside the 100 year flood plain		YES	0			
	Total System Construction Score		3			
2. Hydrologic Sensitivity						
Soils are poorly to moderately drained		NO	2			
Vadose zone composed of gravel, fractured rock or unknown		YES	1			
Depth to first water > 300 feet		NO	1			
Aquitard present with > 50 feet cumulative thickness		NO	2			
	Total Hydrologic Score		6			
3. Potential Contaminant / Land Use - ZONE 1A			IOC Score	VOC Score	SOC Score	Microbial Score
Land Use Zone 1A		IRRIGATED CROPLAND	2	2	2	2
Farm chemical use high		YES	2	0	2	
IOC, VOC, SOC, or Microbial sources in Zone 1A		NO	NO	NO	NO	NO
	Total Potential Contaminant Source/Land Use Score - Zone 1A		4	2	4	2
Potential Contaminant / Land Use - ZONE 1B						
Contaminant sources present (Number of Sources)		YES	23	39	35	12
(Score = # Sources X 2) 8 Points Maximum			8	8	8	8
Sources of Class II or III leacheable contaminants or		YES	27	39	13	
4 Points Maximum			4	4	4	
Zone 1B contains or intercepts a Group 1 Area		YES	0	0	2	0
Land use Zone 1B	Greater Than 50% Irrigated Agricultural Land		4	4	4	4
	Total Potential Contaminant Source / Land Use Score - Zone 1B		16	16	18	12
Potential Contaminant / Land Use - ZONE II						
Contaminant Sources Present		YES	2	2	2	
Sources of Class II or III leacheable contaminants or		YES	1	1	1	
Land Use Zone II	Greater Than 50% Irrigated Agricultural Land		2	2	2	
	Potential Contaminant Source / Land Use Score - Zone II		5	5	5	0
Potential Contaminant / Land Use - ZONE III						
Contaminant Source Present		YES	1	1	1	
Sources of Class II or III leacheable contaminants or		YES	1	1	1	
Is there irrigated agricultural lands that occupy > 50% of		YES	1	1	1	
	Total Potential Contaminant Source / Land Use Score - Zone III		3	3	3	0
Cumulative Potential Contaminant / Land Use Score			28	26	30	14
4. Final Susceptibility Source Score			15	14	15	14
5. Final Well Ranking			High	High	High	High